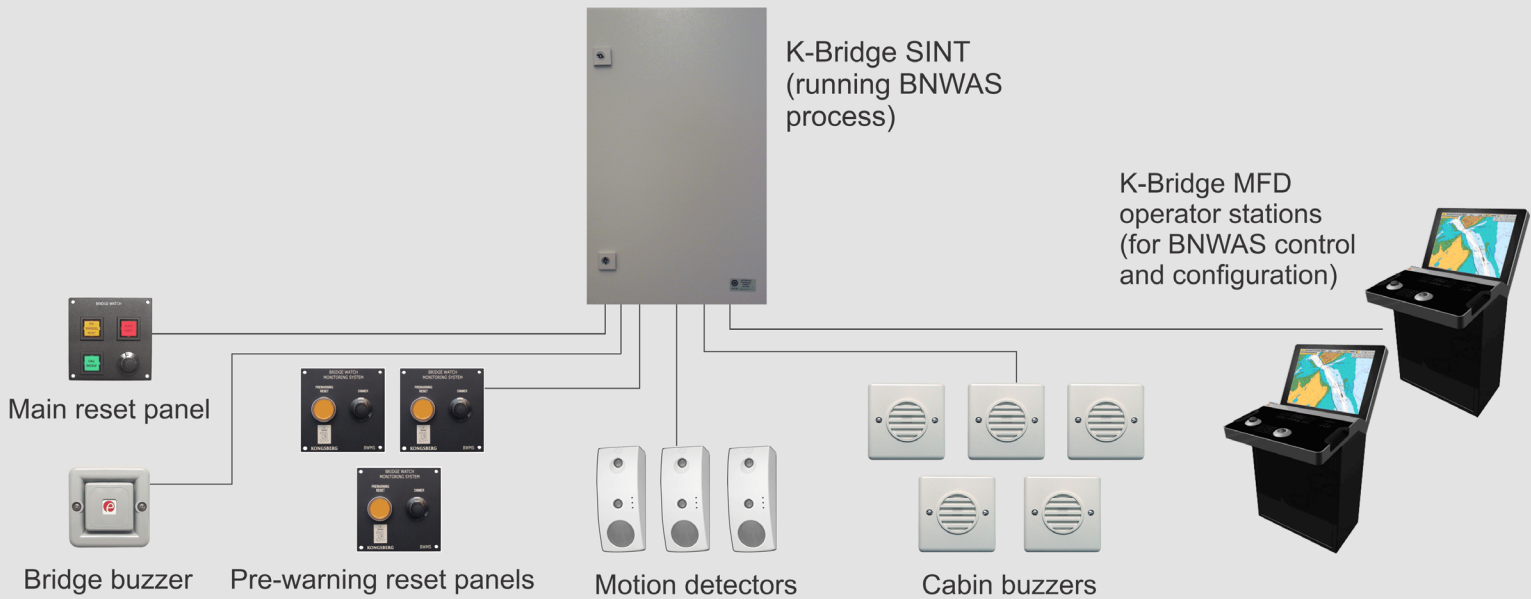


# K-BRIDGE BNWAS



KONGSBERG



## BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM

The K-Bridge BNWAS is a type-approved alarm system for ensuring that the bridge of a vessel is constantly manned.

The K-Bridge Bridge Navigational Watch Alarm System is part of the K-Bridge integrated navigation system from Kongsberg Maritime.

It is designed to monitor bridge activity and alert the ship's captain and/or other qualified navigators if the bridge becomes unattended.

If there has been no activity on the bridge for a specified time period of between 3 and 12 minutes, the alarm is raised in the following four stages:

1. A pre-warning lamp is lit on the bridge.
2. After 15 seconds, if nothing happens to reset the timer, a buzzer sounds on the bridge.
3. After another 15 seconds, if nothing happens to reset the timer, buzzers sound in selected backup navigators' cabins.
4. 90 seconds after the buzzers sound in the backup navigators' cabins, if the ALARM RESET button has not been pressed, buzzers sound in the common areas of the crew's accommodation.

Since the Central Alarm System (CAS) and the BNWAS are both integrated features of the K-Bridge Navigation System, any alarm from the radar or sensors that is not acknowledged within 30 seconds will trigger the BNWAS alarm sequence.

## FEATURES

- Automatic alarm reset by motion detectors (optional).
- Alarm sequence triggered by Central Alarm System (if CAS alarms are not acknowledged within 30 seconds).
- Emergency CALL BACKUP.
- Operator selectable backup navigators.
- Operation selectable between forward and aft bridges as vessel control passes from one to the other (optional).
- Convenient control and configuration from K-Bridge MFD (Multi-functional Display) consoles.
- Configurable countdown period for alarm timer (password protected).
- Fully compliant with IMO performance standards.

# SPECIFICATIONS

## COMPONENTS REQUIRED\*

Component	Minimum	Maximum
Main reset panel	1	1
Pre-warning reset panel	0	6
Motion detectors	0	4
Cabin buzzers	2**	5***
Bridge buzzer	1	1

\* This table lists the components required for the forward bridge; additional components will be required for the aft bridge.

\*\* There must be a minimum of one buzzer in the captain's cabin and one in the common area of the crew's accommodation.

\*\*\* Five independent selectable channels are available (on the SINT) for cabin buzzers. If more than five cabin buzzers are required, more than one buzzer can be connected to each channel.

## TYPE APPROVAL

The K-Bridge BNWAS is approved in accordance with EU MED 96/98/EC A.1/4.57 as a Bridge Navigational Watch Alarm System.

## MAIN ALARM RESET PANEL



## PRE-WARNING RESET PANEL



Specifications subject to change without any further notice.

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